

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIG.1

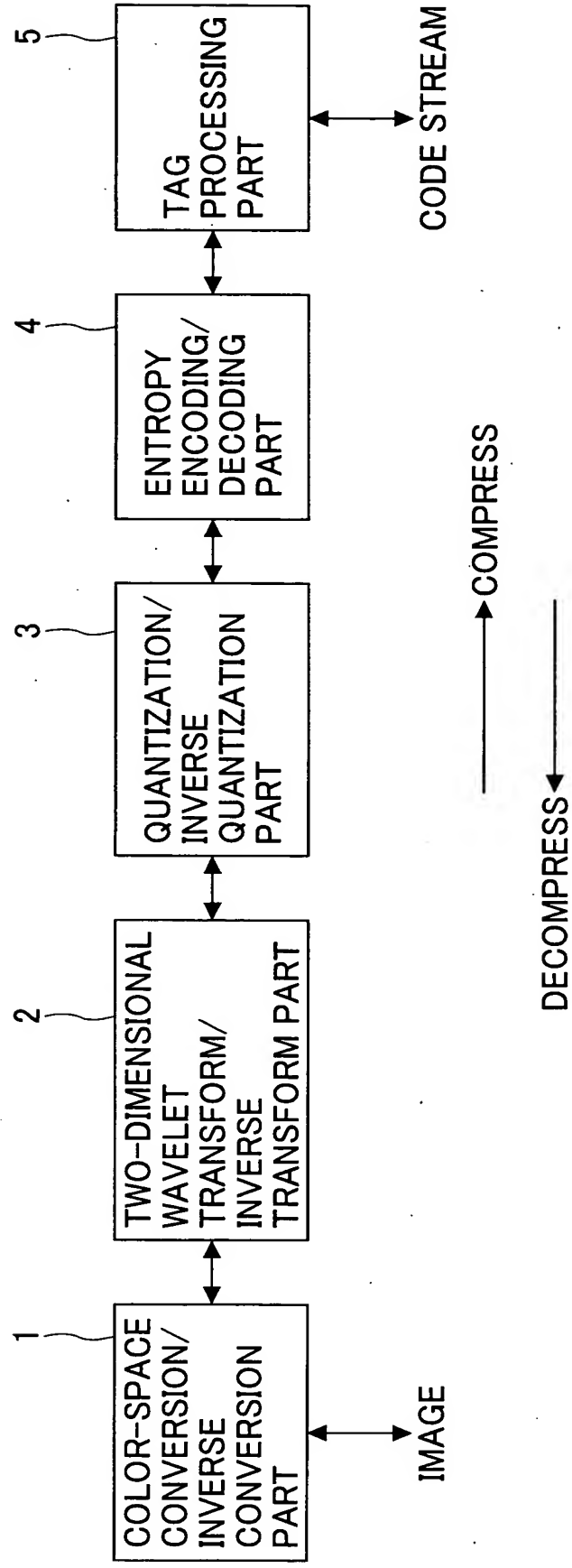


FIG.2

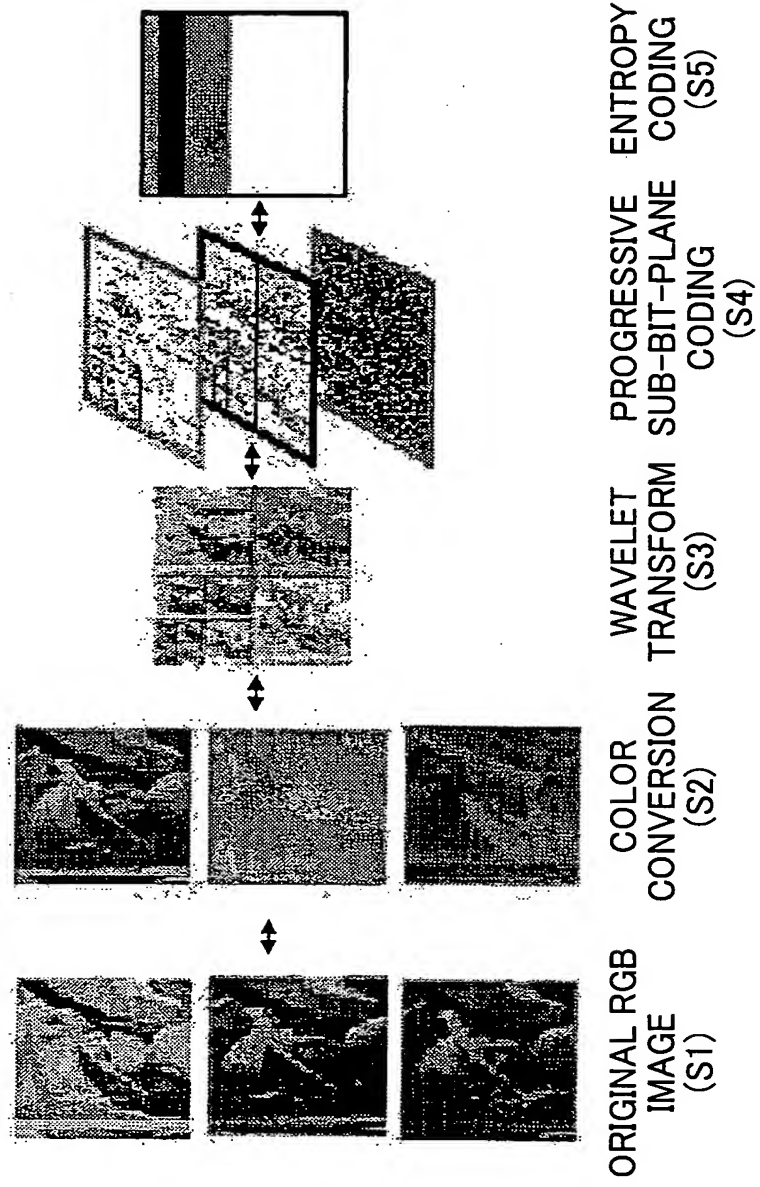


FIG.3A

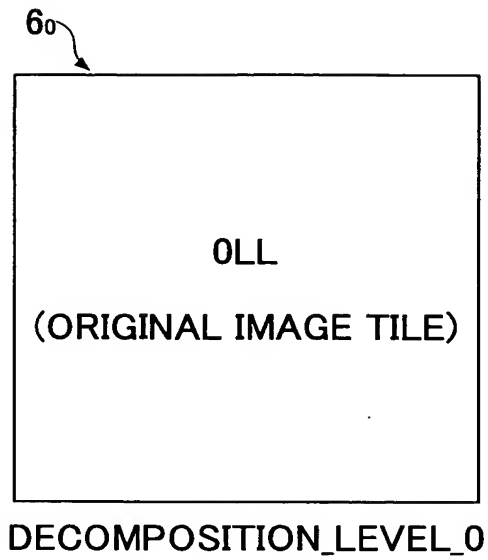


FIG.3B

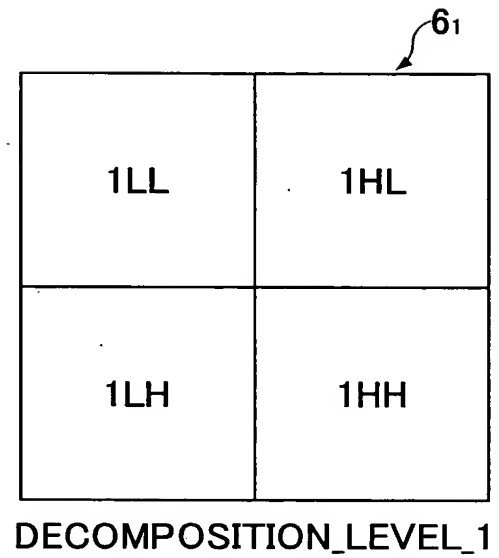


FIG.3C

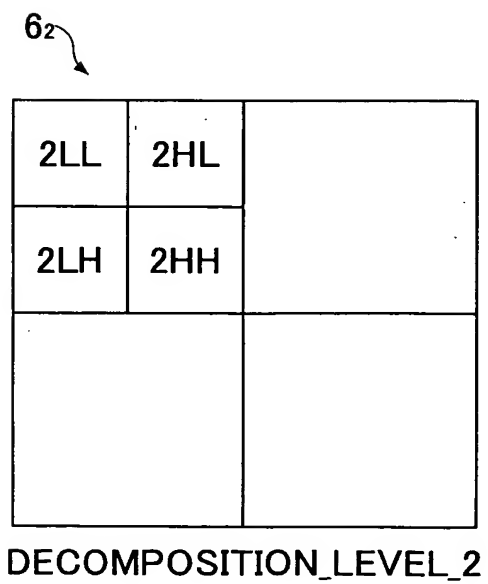


FIG.3D

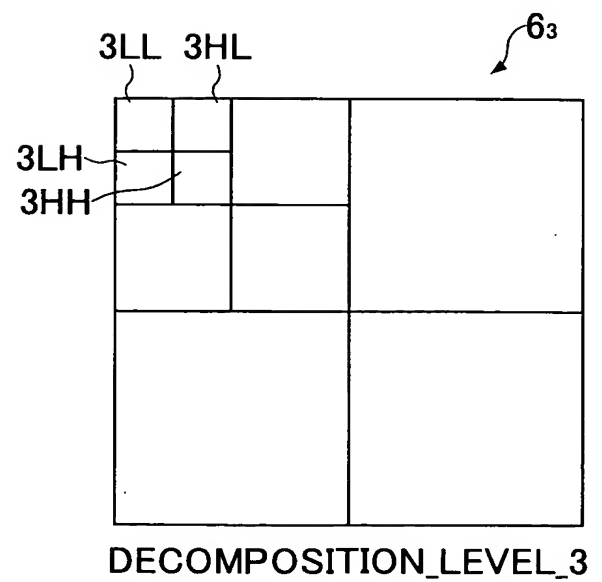


FIG.4

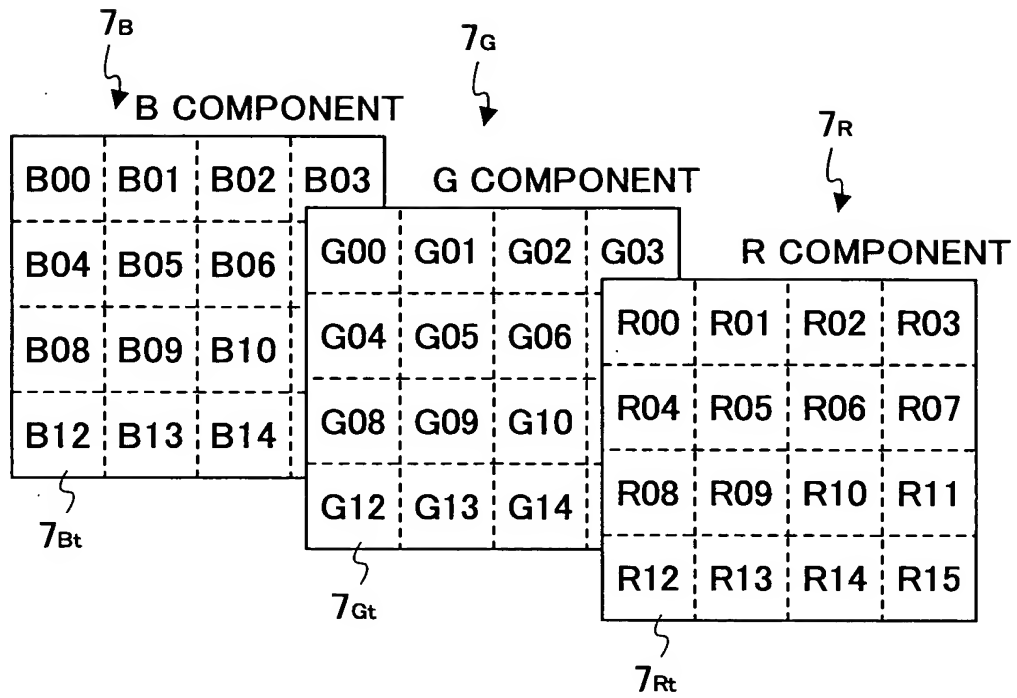
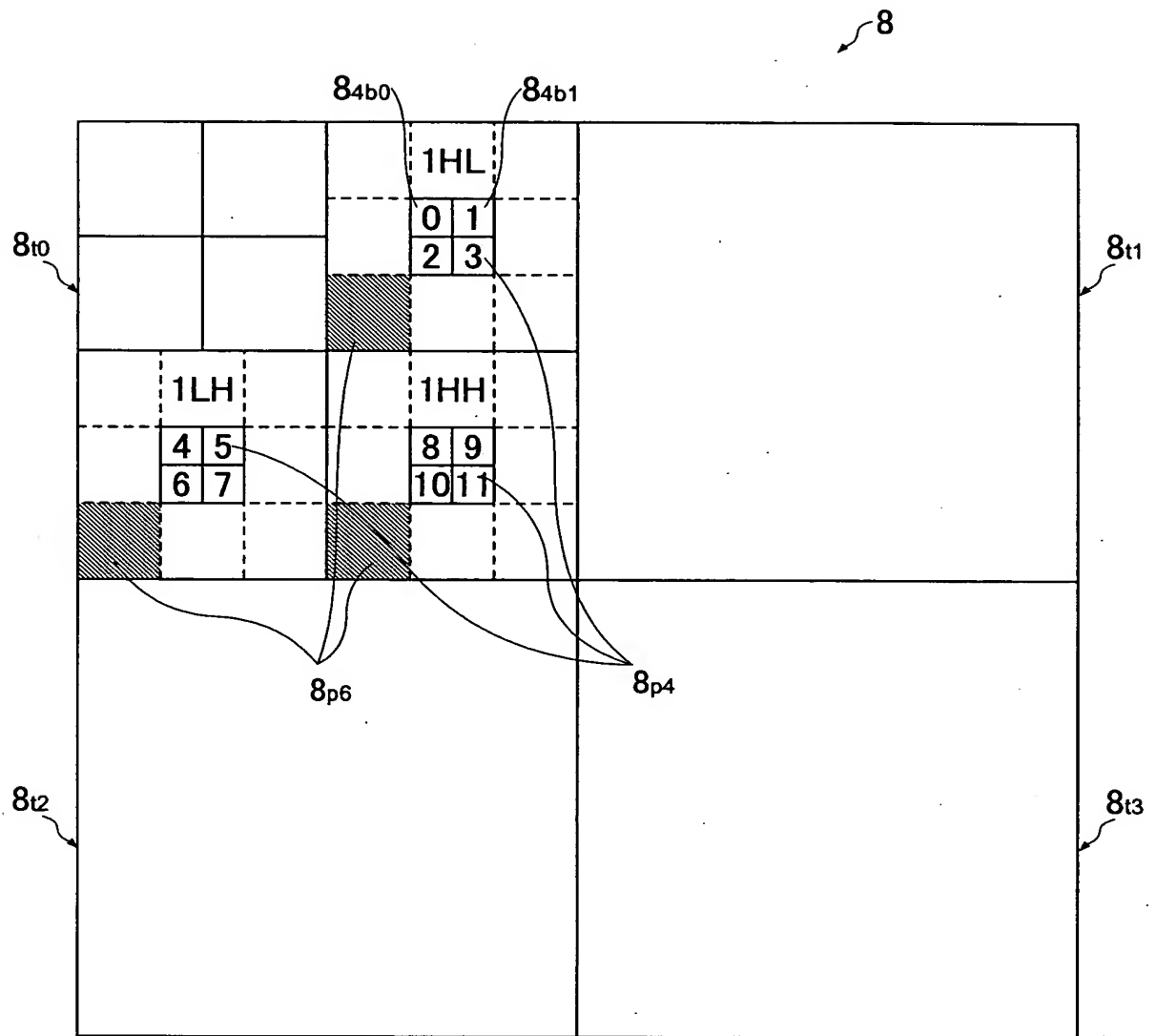


FIG.5



2LL	2HL	2LH	2HH	1HL	1LH	1HH
-----	-----	-----	-----	-----	-----	-----

PRECINCT No.

BIT PLANE
SUB-BIT PLANE
MSD

51	72	93	114	135	156	177	198	215	228												
50	71	92	113	134	155	176	197	214	227												
49	70	91	112	133	154	175	196	213	226												
48	69	90	111	132	153	174	195	212	225												
47	68	89	110	131	152	173	194	211	224												
48	67	88	109	130	151	172	193	210	223												
45	66	87	108	129	150	171	192	209	222												
44	65	86	107	128	149	170	191	208	221												
43	64	85	106	127	148	169	190	207	220												
42	72	93	114	135	156	177	198	215	228												
41	71	92	113	134	155	176	197	214	227												
40	70	91	112	133	154	175	196	213	226												
39	69	90	111	132	153	174	195	212	225												
38	68	89	110	131	152	173	194	211	224												
37	67	88	109	130	151	172	193	210	223												
38	66	87	108	129	150	171	192	209	222												
35	65	86	107	128	149	170	191	208	221												
34	64	85	106	127	148	169	190	207	220												
33	72	93	114	135	156	177	198	215	228												
32	71	92	113	134	155	176	197	214	227												
31	70	91	112	133	154	175	196	213	226												
30	69	90	111	132	153	174	195	212	225												
29	68	89	110	131	152	173	194	211	224												
28	67	88	109	130	151	172	193	210	223												
27	66	87	108	129	150	171	192	209	222												
28	65	86	107	128	149	170	191	208	221												
25	64	85	106	127	148	169	190	207	220												
7	15	63	84	105	126	147	168	189	206	219											
6	14	62	83	104	125	146	167	188	205	218											
5	13	61	82	103	124	145	166	187	204	217											
4	12	60	81	102	123	144	165	186	203	216											
7	15	23	59	80	101	122	143	164	185	202											
6	14	22	58	79	100	121	142	163	184	201											
5	13	21	57	78	99	120	141	162	183	200											
4	12	20	56	77	98	119	140	161	182	199											
7	15	63	59	80	101	122	143	164	185	202											
6	14	62	58	79	100	121	142	163	184	201											
5	13	61	57	78	99	120	141	162	183	200											
4	12	20	56	77	98	119	140	161	182	190											
3	11	19	27	55	76	97	118	139	160	181											
2	10	18	26	54	75	96	117	138	159	180											
1	9	17	25	53	74	95	116	137	158	179											
0	8	16	24	52	73	94	115	136	157	178											
Code Of Bit 12	Significant Refinement Cleanup	Code Of Bit 10	Significant Refinement Cleanup	Code Of Bit 9	Significant Refinement Cleanup	Code Of Bit 8	Significant Refinement Cleanup	Code Of Bit 7	Significant Refinement Cleanup	Code Of Bit 6	Significant Refinement Cleanup	Code Of Bit 5	Significant Refinement Cleanup	Code Of Bit 4	Significant Refinement Cleanup	Code Of Bit 3	Significant Refinement Cleanup	Code Of Bit 2	Significant Refinement Cleanup	Code Of Bit 1	Significant Refinement Cleanup

857

FIG. 7

SUB-BAND		PRECINCT No.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
SUB-BAND		2LL				2HL				2LH				2HH				1HL				1LH				1HH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
SUB-BAND		0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3

[illegible]

Figure 1 illustrates the architecture of a 14-layer perceptron. The layers are labeled LAYER 0 through LAYER 13. LAYER 0 is the input layer, and LAYER 13 is the output layer. The diagram shows the flow of information from the input layer through the hidden layers to the output layer.

FIG.9

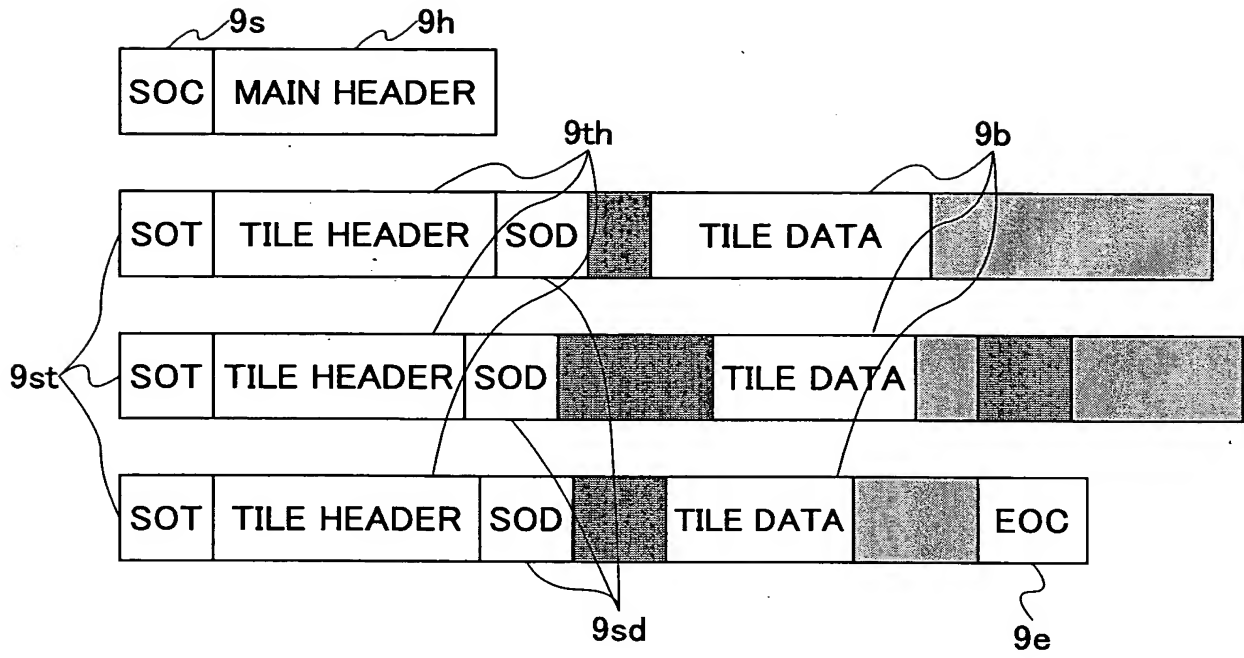


FIG.10

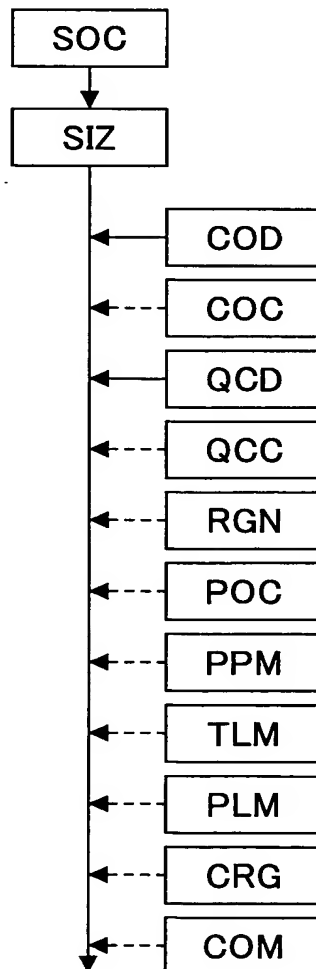


FIG.11

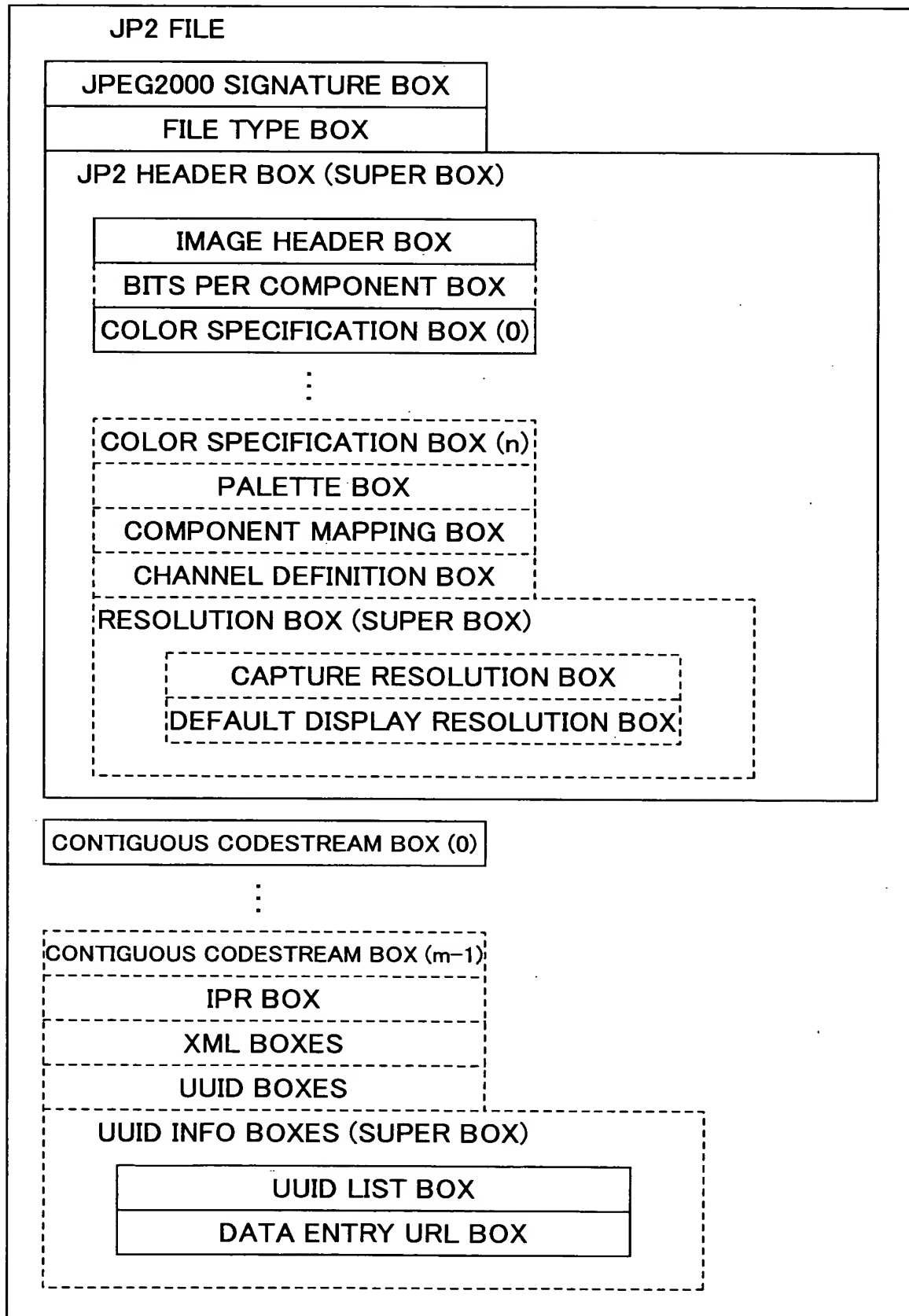


FIG.12

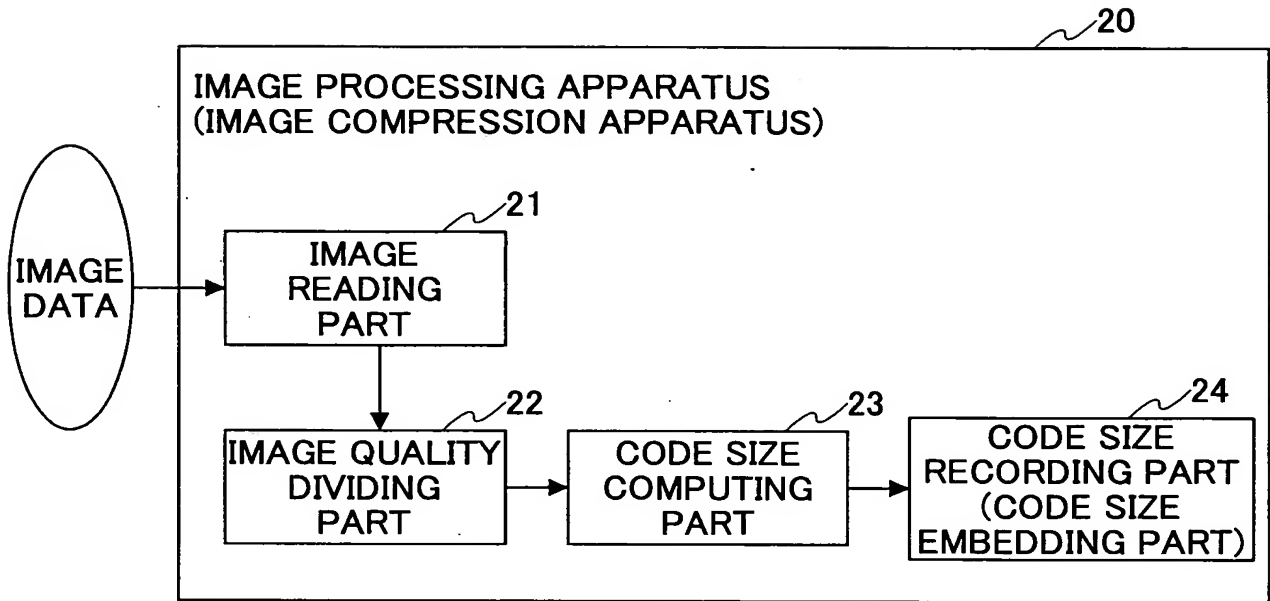


FIG.13

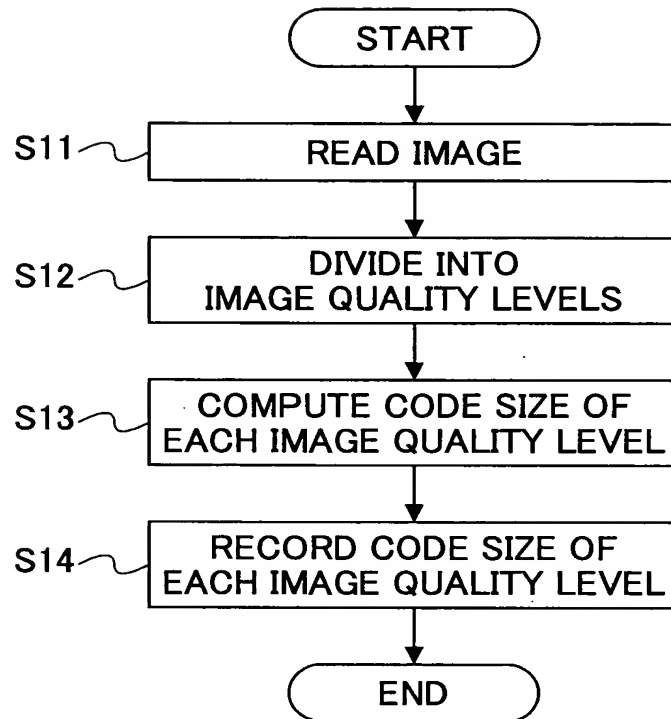


FIG.14

CAPACITY OF TRANSMISSION LINE (bps)	IMAGE QUALITY LEVEL
1G	LAYER 0
100M	LAYER 2
10M	LAYER 4
8M	LAYER 5
1M	LAYER 7
5.6K	LAYER 10

FIG.15

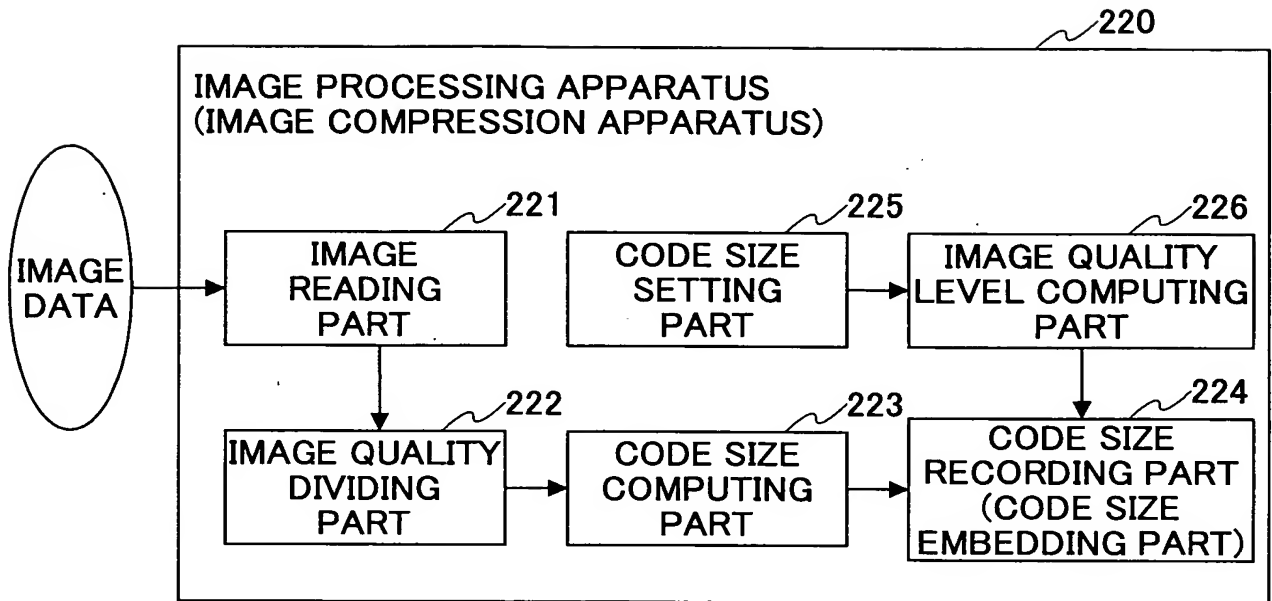


FIG.16

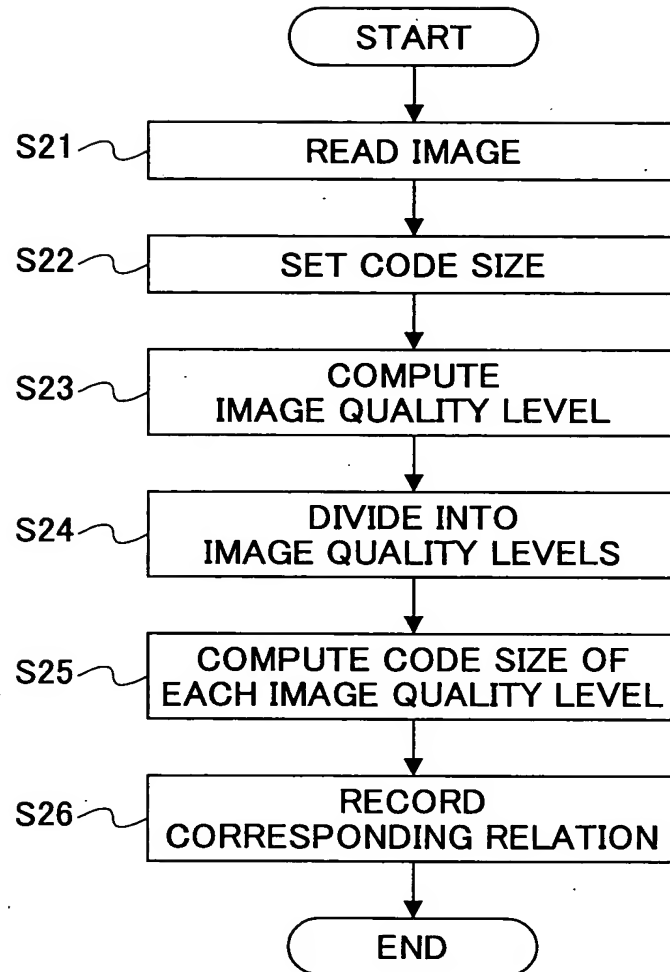


FIG.17

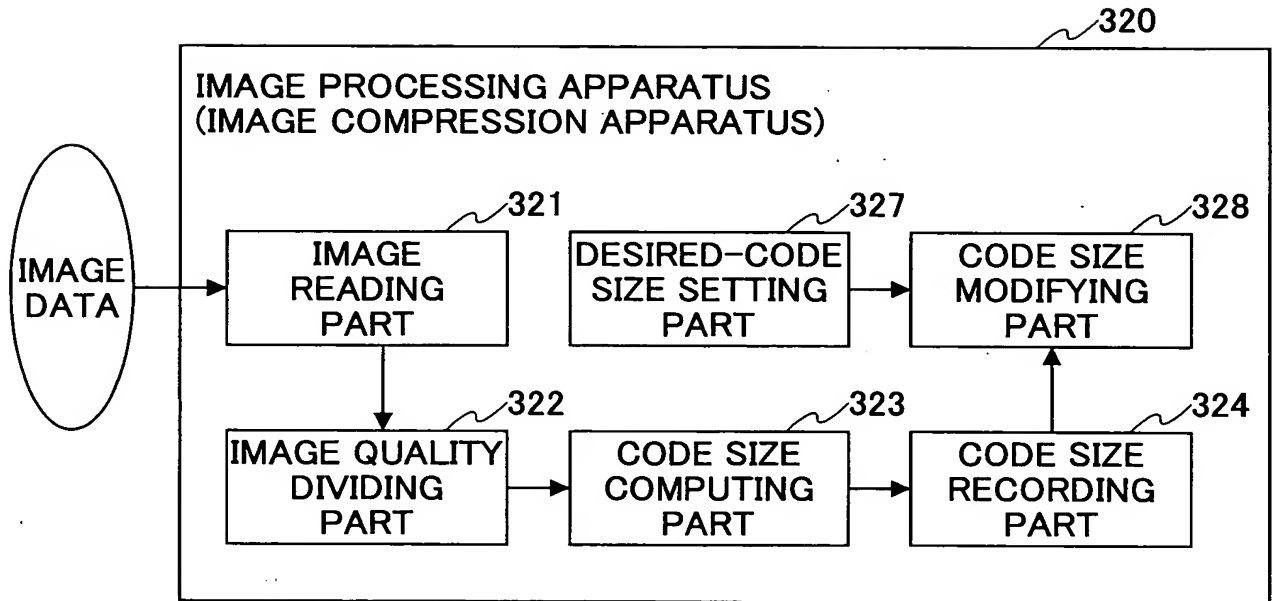


FIG.18

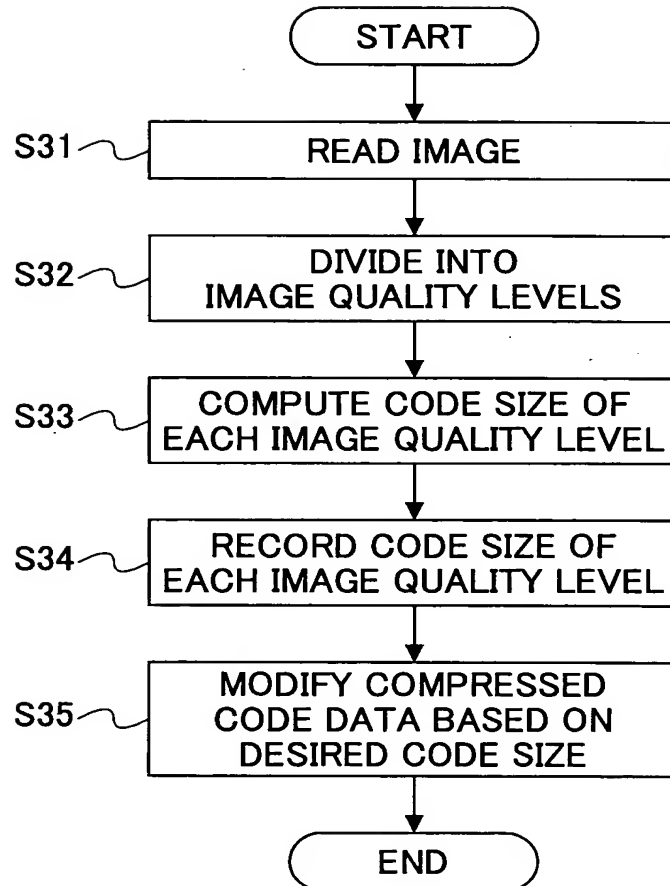


FIG.19

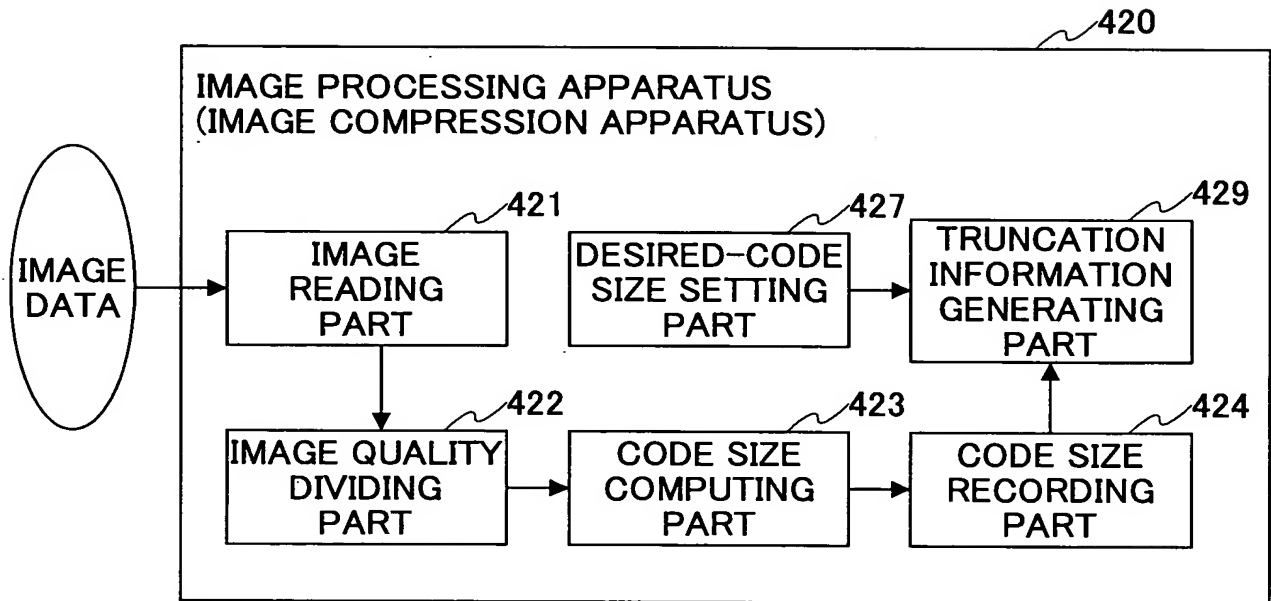


FIG.20

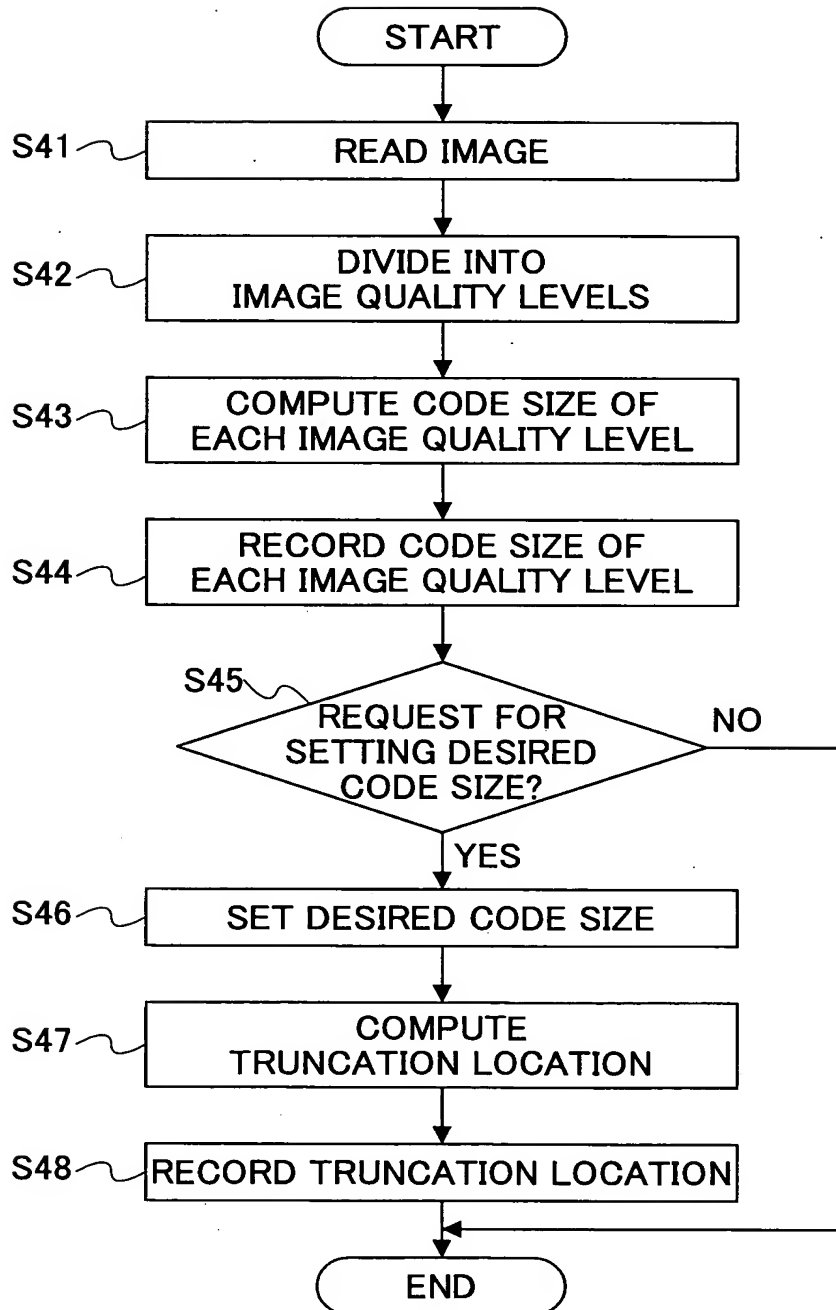


FIG.21



FIG.22A



41

FIG.22B



42

FIG.22C



43

FIG.22D



44

FIG.23

